

WHAT IS CLAIMED IS:

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1. A method of creating a backup disc of a hybrid type source optical disc having a read-only storage area and a writable storage area, the method comprising:

10 a qualification determination step of determining whether or not a target optical disc is qualified as the backup disc of the hybrid type source optical disc by comparing the source optical disc to the target optical disc based on information recorded in the
15 source optical disc and the target optical disc;

 a loading step of loading, when it is determined that the target optical disc is qualified as the backup disc, backup information from the source optical disc; and

20 a writing step of writing the backup information in the target optical disc.

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2. The method as claimed in claim 1, further comprising:

a disc determination step of determining whether or not the target optical disc is a hybrid type disc, and

wherein the qualification determination step occurs when the disc determination step determines that the target optical disc is a hybrid type disc.

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3. The method as claimed in claim 1, further comprising:

15 a disc determination step of determining whether or not the target optical disc has predetermined compatibility with the hybrid type source optical disc, and

20 wherein the qualification determination step occurs when the disc determination step determines that the target optical disc has predetermined compatibility with the hybrid type source optical disc.

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4. The method as claimed in claim 1, wherein
the qualification determination step comprises:

a substrate qualification determination step
5 of determining whether or not the source optical disc
and the target optical disc have the same substrate
information; and

a ROM qualification determination step of
determining whether or not at least a portion of ROM
10 information of the source optical disc in a read-only
storage area thereof and at least a portion of ROM
information of the target optical disc in a read-only
storage area thereof are the same, and

the qualification determination step
15 determines that the target optical disc is qualified as
the backup disc when the substrate qualification
determination step determines that the source optical
disc and the target optical disc have the same substrate
information and the ROM qualification determination step
20 determines that the portion of ROM information of the
source optical disc and the portion of ROM information
of the target optical disc are the same.

5. The method as claimed in claim 4, wherein
the substrate information comprises at least one of
lead-in start time, lead-out start time and a write
5 strategy parameter.

10 6. The method as claimed in claim 4, wherein
the qualification determination step comprises:

a dummy data determination step of determining
whether or not the ROM information of the target optical
disc is dummy data when the substrate qualification
15 determination step determines that the source optical
disc and the target optical disc have the same substrate
information and the ROM qualification determination step
determines that the portion of ROM information of the
source optical disc and the portion of ROM information
20 of the target optical disc are not the same,
said qualification determination step
determining, when the dummy data determination step
determines that the ROM information of the target
optical disc is dummy data, that the target optical disc
25 is qualified as the backup disc.

5 7. The method as claimed in claim 1, wherein
the backup information comprises RAM information
recorded in a writable storage area of the source
optical disc, and the writing step writes said RAM
information in a writable storage area of the target
10 optical disc.

8. The method as claimed in claim 6, wherein
15 the backup information comprises RAM information
recorded in a writable storage area of the source
optical disc and the ROM information of the source
optical disc, and the writing step writes said RAM
information and said ROM information in a writable
20 storage area of the target optical disc when the
qualification determination step determines that the
target optical disc is qualified as the backup disc
based on determination of the dummy data determination
step.

9. The method as claimed in claim 1, wherein
5 the hybrid type disc comprises a CD descent disc or a
DVD descent disc.

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10. A system of creating a backup disc of a
hybrid type source optical disc having a read-only
storage area and a writable storage area, comprising:
a qualification determination part determining
15 whether or not a target optical disc is qualified as the
backup disc of the hybrid type source optical disc by
comparing the source optical disc to the target optical
disc based on information recorded in the source optical
disc and the target optical disc;
20 a loading part loading, when it is determined
that the target optical disc is qualified as the backup
disc, backup information from the source optical disc;
and
25 a writing part writing the backup information
in the target optical disc.

5 11. The system as claimed in claim 10,
further comprising:

a disc determination part determining whether
or not the target optical disc is a hybrid type disc,
and

10 wherein the qualification determination part
determines whether or not the target optical disc is
qualified as the backup disc when the disc determination
part determines that the target optical disc is a hybrid
type disc.

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20 12. The system as claimed in claim 10,
further comprising:

a disc determination part determining whether
or not the target optical disc has predetermined
compatibility with the hybrid type source optical disc,
and

25 wherein the qualification determination part

determines whether or not the target optical disc is qualified as the backup disc when the disc determination part determines that the target optical disc has predetermined compatibility with the hybrid type source
5 optical disc.

10 13. The system as claimed in claim 10,
wherein the qualification determination part comprises:
a substrate qualification determination part
determining whether or not the source optical disc and
the target optical disc have the same substrate
15 information; and
a ROM qualification determination part
determining whether or not at least a portion of ROM
information of the source optical disc in a read-only
storage area thereof and at least a portion of ROM
20 information of the target optical disc in a read-only
storage area thereof are the same, and
the qualification determination part
determines that the target optical disc is qualified as
the backup disc when the substrate qualification
25 determination part determines that the source optical

disc and the target optical disc have the same substrate information and the ROM qualification determination part determines that the portion of ROM information of the source optical disc and the portion of ROM information of the target optical disc are the same.

10 14. The system as claimed in claim 13,
wherein the substrate information comprises at least one
of lead-in start time, lead-out start time and a write
strategy parameter.

15 15. The system as claimed in claim 13,
wherein the qualification determination part comprises:
20 a dummy data determination part determining
whether or not the ROM information of the target optical
disc is dummy data when the substrate qualification
determination part determines that the source optical
disc and the target optical disc have the same substrate
25 information and the ROM qualification determination part

determines that the portion of ROM information of the source optical disc and the portion of ROM information of the target optical disc are not the same,

 said qualification determination part

- 5 determining, when the dummy data determination part determines that the ROM information of the target optical disc is dummy data, that the target optical disc is qualified as the backup disc.

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16. The system as claimed in claim 10,
wherein the backup information comprises RAM information
15 recorded in a writable storage area of the source
optical disc, and the writing part writes said RAM
information in a writable storage area of the target
optical disc.

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17. The system as claimed in claim 15,
wherein the backup information comprises RAM information
recorded in a writable storage area of the source
25 optical disc and the ROM information of the source

optical disc, and the writing part writes said RAM information and said ROM information in a writable storage area of the target optical disc when the qualification determination part determines that the
5 target optical disc is qualified as the backup disc based on determination of the dummy data determination part.

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18. The system as claimed in claim 10,
wherein the hybrid type disc comprises a CD descent disc or a DVD descent disc.

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19. A computer-readable recording medium for
20 storing a program to cause a computer to execute a procedure of creating a backup disc of a hybrid type source optical disc having a read-only storage area and a writable storage area, the procedure comprising:

a qualification determination step of
25 determining whether or not a target optical disc is

qualified as the backup disc of the hybrid type source optical disc by comparing the source optical disc to the target optical disc based on information recorded in the source optical disc and the target optical disc;

5 a loading step of loading, when it is determined that the target optical disc is qualified as the backup disc, backup information from the source optical disc; and

10 a writing step of writing the backup information in the target optical disc.

15 20. The computer-readable recording medium as claimed in claim 19, the procedure further comprising:
 a disc determination step of determining whether or not the target optical disc is a hybrid type disc, and

20 wherein the qualification determination step occurs when the disc determination step determines that the target optical disc is a hybrid type disc.

21. The computer-readable recording medium as
claimed in claim 19, the procedure further comprising:
a disc determination step of determining
5 whether or not the target optical disc has predetermined
compatibility with the hybrid type source optical disc,
and
wherein the qualification determination step
occurs when the disc determination step determines that
10 the target optical disc has predetermined compatibility
with the hybrid type source optical disc.

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22. The computer-readable recording medium as
claimed in claim 19, wherein the qualification
determination step comprises:
a substrate qualification determination step
20 of determining whether or not the source optical disc
and the target optical disc have the same substrate
information; and
a ROM qualification determination step of
determining whether or not at least a portion of ROM
25 information of the source optical disc is in a read-only

storage area thereof and at least a portion of ROM information of the target optical disc in a read-only storage area thereof are the same, and

the qualification determination step

- 5 determines that the target optical disc is qualified as the backup disc when the substrate qualification determination step determines that the source optical disc and the target optical disc have the same substrate information and the ROM qualification determination step
- 10 determines that the portion of ROM information of the source optical disc and the portion of ROM information of the target optical disc are the same.

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23. The computer-readable recording medium as claimed in claim 22, wherein the substrate information comprises at least one of lead-in start time, lead-out start time and a write strategy parameter.
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25 24. The computer-readable recording medium as

claimed in claim 22, wherein the qualification determination step comprises:

a dummy data determination step of determining whether or not the ROM information of the target optical disc is dummy data when the substrate qualification determination step determines that the source optical disc and the target optical disc have the same substrate information and the ROM qualification determination step determines that the portion of ROM information of the source optical disc and the portion of ROM information of the target optical disc are not the same,

said qualification determination step determining, when the dummy data determination step determines that the ROM information of the target optical disc is dummy data, that the target optical disc is qualified as the backup disc.

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25. The computer-readable recording medium as claimed in claim 19, wherein the backup information comprises RAM information recorded in a writable storage area of the source optical disc, and the writing step writes said RAM information in a writable storage area

of the target optical disc.

5 26. The computer-readable recording medium as
claimed in claim 24, wherein the backup information
comprises RAM information recorded in a writable storage
area of the source optical disc and the ROM information
of the source optical disc, and the writing step writes
10 said RAM information and said ROM information in a
writable storage area of the target optical disc when
the qualification determination step determines that the
target optical disc is qualified as the backup disc
based on determination of the dummy data determination
15 step.

20 27. The computer-readable recording medium as
claimed in claim 19, wherein the hybrid type disc
comprises a CD descent disc or a DVD descent disc.